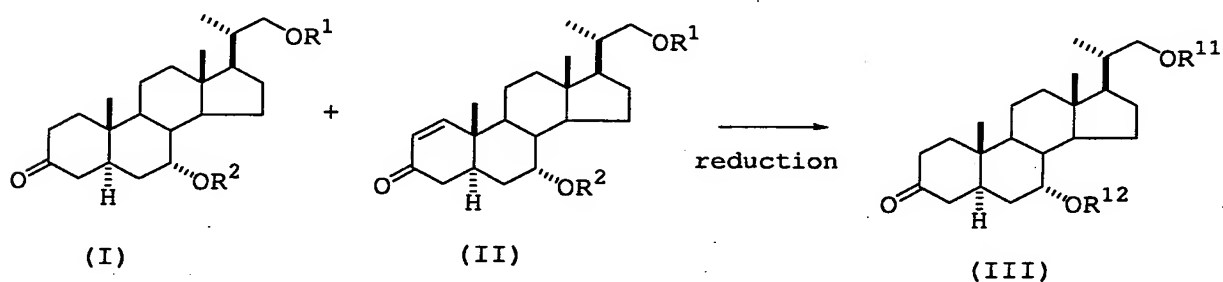


## Abstract

The present invention relates to a method of producing 5 $\alpha$ -pregnane derivatives represented by the formula (III), which is characterized by selectively reducing a carbon-carbon double bond of a 5 $\alpha$ -pregnane derivative represented by the formula (II) in a mixture of 5 $\alpha$ -pregnane derivatives represented by the formula (I) and the formula (II). According to the present invention, a method capable of producing 5 $\alpha$ -pregnane derivatives useful as synthetic intermediates for squalamine, in a high yield from easily available raw materials, can be provided:



wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>11</sup> and R<sup>12</sup> are each independently a hydrogen atom or a hydroxyl-protecting group.